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2002 Economic Census

Manufacturing

Industry Series



U S C E N S U S B U R E A U

Helping You Make Informed Decisions

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
323117, Books printing 2002..	557	596	38 764	1 358 476	30 764	60 826	954 156	3 136 250	1 748 456	4 869 482	'235 999
2001..	N	N	49 708	1 647 060	39 584	75 802	1 156 948	3 594 122	2 209 583	5 847 448	200 606
2000..	N	N	51 765	1 711 184	41 418	81 658	1 219 949	3 841 886	2 325 487	6 162 152	248 814
1999..	N	N	50 518	1 659 177	40 209	79 323	1 150 579	3 636 881	2 231 384	5 853 611	220 026
1998..	N	N	49 453	1 549 499	39 202	75 122	1 059 752	3 425 237	2 182 704	5 599 621	306 141
1997..	690	743	49 047	1 530 539	38 782	75 742	1 057 001	3 300 926	2 216 983	5 517 171	289 820

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
323117, Books printing												
United States	1	596	218	38 764	1 358 476	30 764	60 826	954 156	3 136 250	1 748 456	4 869 482	'235 999
California	2	73	20	2 246	91 039	1 530	2 890	48 055	203 154	95 646	299 902	'16 938
Colorado	—	9	3	182	6 515	126	271	3 925	12 028	6 658	18 561	'90
Florida	6	31	10	685	21 801	532	907	13 580	43 156	24 803	67 571	'1 695
Georgia	2	15	6	327	10 436	215	435	5 958	25 539	12 599	38 012	'822
Illinois	1	35	12	1 418	56 085	1 061	2 233	36 560	110 662	75 115	186 147	'10 790
Indiana	—	12	6	2 140	74 409	1 793	3 540	57 901	195 517	110 852	304 891	'2 131
Kansas	—	11	9	1 023	28 573	791	1 436	20 052	94 484	21 586	117 629	'3 746
Maryland	1	22	9	1 131	41 492	933	1 795	31 564	81 146	60 232	140 949	'9 557
Massachusetts	5	17	10	1 448	53 102	1 199	2 324	38 024	125 304	42 985	168 893	'2 990
Michigan	1	24	14	2 333	83 775	1 767	3 538	57 892	158 159	116 832	276 322	'12 305
New Jersey	3	26	8	774	32 223	601	1 286	21 338	65 027	49 317	116 393	'1 186
New York	1	50	16	2 395	83 599	2 017	3 959	63 409	164 097	104 589	270 799	'10 212
North Carolina	3	15	5	941	24 893	782	1 544	18 624	77 342	21 320	98 508	'5 096
Ohio	—	21	9	2 394	89 862	1 998	4 033	67 778	225 009	109 576	334 331	'10 708
Oregon	4	5	3	433	16 844	325	619	12 002	36 096	29 272	65 078	'5 807
Pennsylvania	—	25	11	3 663	118 596	2 942	5 796	85 115	299 734	129 242	430 385	'11 425
Texas	2	25	4	964	32 514	758	1 530	22 942	62 421	39 848	103 290	'2 336
Utah	1	8	4	229	7 983	147	305	4 685	21 331	14 922	36 003	'2 547
Virginia	—	13	7	2 547	79 360	2 055	3 867	57 365	192 838	102 285	294 620	'17 798
Wisconsin	—	20	8	2 340	90 974	1 760	3 248	58 384	174 389	131 593	307 798	'10 350

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
323117, Books printing	
Companies ¹	number.. 557
All establishments ²	number.. 596
Establishments with 1 to 19 employees	number.. 378
Establishments with 20 to 99 employees	number.. 132
Establishments with 100 employees or more	number.. 86
All employees ³	number.. 38 764
Total compensation	\$1,000.. 1 699 541
Annual payroll	\$1,000.. 1 358 476
Total fringe benefits	\$1,000.. 341 065
Production workers, average for year	number.. 30 764
Production workers on March 12	number.. 31 336
Production workers on May 12	number.. 31 158
Production workers on August 12	number.. 30 075
Production workers on November 12	number.. 30 452
Production worker hours	1,000.. 60 826
Production worker wages	\$1,000.. 954 156
Total cost of materials	\$1,000.. 1 748 456
Materials, parts, containers, packaging, etc., used	\$1,000.. 1 470 163
Resales	\$1,000.. 39 569
Purchased fuels	\$1,000.. 17 145
Purchased electricity	\$1,000.. 53 985
Contract work	\$1,000.. 167 594
Quantity of electricity purchased for heat and power	1,000 kWh.. 935 657
Quantity of electricity generated less sold for heat and power	1,000 kWh.. -
Total value of shipments	\$1,000.. 4 869 482
Primary products value of shipments	\$1,000.. 4 298 771
Secondary products value of shipments	\$1,000.. 431 369
Total miscellaneous receipts	\$1,000.. 139 342
Value of resales	\$1,000.. 58 478
Contract receipts	\$1,000.. -
Other miscellaneous receipts	\$1,000.. 80 864
Primary products specialization ratio	percent.. 91
Value of primary products shipments made in all industries	\$1,000.. 4 764 417
Value of primary products shipments made in this industry	\$1,000.. 4 298 771
Value of primary products shipments made in other industries	\$1,000.. 465 646
Coverage ratio	percent.. 90
Value added	\$1,000.. 3 136 250
Total inventories, beginning of year	\$1,000.. 316 508
Finished goods inventories	\$1,000.. 19 852
Work-in-process inventories	\$1,000.. 146 748
Materials and supplies inventories	\$1,000.. 149 908
Total inventories, end of year	\$1,000.. 330 601
Finished goods inventories	\$1,000.. 20 941
Work-in-process inventories	\$1,000.. 160 883
Materials and supplies inventories	\$1,000.. 148 777
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. '3 303 920
Total capital expenditures (new and used)	\$1,000.. '235 999
Buildings and other structures (new and used)	\$1,000.. '20 680
Machinery and equipment (new and used)	\$1,000.. '215 319
Automobiles, trucks, etc., for highway use	\$1,000.. '2 227
Computers and peripheral data processing equipment	\$1,000.. '23 172
All other expenditures for machinery and equipment	\$1,000.. '189 920
Total retirements	\$1,000.. '140 029
Gross value of depreciable assets at end of year	\$1,000.. '3 399 890
Depreciation charges during year	\$1,000.. '206 393
Total rental payments	\$1,000.. 79 327
Buildings and other structures	\$1,000.. 41 467
Machinery and equipment	\$1,000.. 37 860
Total other expenses ⁴	\$1,000.. 361 511
Response coverage ratio ⁵	percent.. 88
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 71 841
Communications services ⁴	\$1,000.. 7 842
Legal services ⁴	\$1,000.. 3 559
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 1 793
Advertising and promotional services ⁴	\$1,000.. 6 846
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 18 178
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 4 384
Management consulting and administrative services ⁴	\$1,000.. 10 678
Taxes and license fees ⁴	\$1,000.. 15 387
All other expenses ⁴	\$1,000.. 221 004

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on 2002 Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
323117, Books printing											
All establishments	1	596	38 764	1 358 476	30 764	60 826	954 156	3 136 250	1 748 456	4 869 482	'235 999
Establishments with—											
1 to 4 employees	9	214	441	13 838	344	659	9 886	28 938	17 112	46 053	'993
5 to 9 employees	8	89	602	19 857	487	953	14 785	43 268	26 835	69 817	'1 533
10 to 19 employees	5	75	1 002	34 443	770	1 514	23 324	68 703	40 193	109 268	'2 867
20 to 49 employees	3	83	2 627	89 504	1 986	3 934	58 260	188 448	102 792	290 877	'12 353
50 to 99 employees	2	49	3 335	119 371	2 459	4 774	75 870	246 768	164 809	410 983	'20 910
100 to 249 employees	1	40	6 144	222 272	4 834	9 787	153 543	488 812	303 692	797 542	'26 900
250 to 499 employees	—	30	10 651	363 747	8 217	16 434	239 530	837 332	455 855	1 287 508	'74 242
500 to 999 employees	—	11	i	D	D	D	D	D	D	D	D
1,000 to 2,499 employees	—	5	i	D	D	D	D	D	D	D	D
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	304	1 395	47 029	1 153	2 262	34 755	99 350	64 579	163 926	'3 664

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
323117	Books printing.....	596	38 764	1 358 476	30 764	60 826	954 156	3 136 250	1 748 456	4 869 482	'235 999
3231171	Textbook printing and binding	38	8 411	304 916	6 774	13 392	224 699	801 420	451 890	1 249 034	'55 822
3231173	Technical, scientific, and professional book printing and binding	42	4 547	174 491	3 143	6 376	103 340	342 238	225 734	563 328	'39 379
3231175	Religious book printing and binding .	10	1 034	40 077	767	1 567	25 333	83 826	60 722	148 417	'3 961
3231177	General book (trade, etc.) printing and binding	47	12 009	408 194	9 834	19 526	305 564	899 364	524 009	1 413 390	'82 387
3231179	Other book printing and binding	43	7 458	244 033	6 074	11 480	168 042	634 719	236 510	869 748	'37 103
323117A	Books, printing only, not bound	3	221	8 118	177	342	5 074	23 820	13 883	37 708	1 025
323117C	Pamphlets, printing only or printing and binding (excluding advertising pamphlets)	10	334	11 926	237	489	7 396	19 305	11 143	30 462	'504

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
323117	Books printing	2002.. N 1997.. N	X X	X X	4 764 417 5 602 444
3231171	Textbook printing and binding	2002.. N 1997.. N	X X	X X	1 152 697 999 809
32311711	Hardbound elementary and high school (grades K through 12) textbook printing and binding, including teachers' editions	2002.. N 1997.. N	X X	X X	435 019 225 473
3231171111	Hardbound elementary and high school (grades K through 12) textbook printing and binding, including teachers' editions	2002.. 24 1997.. 17	X X	X X	435 019 225 473
32311712	Paperbound elementary and high school (grades K through 12) textbook printing and binding, including teachers' editions	2002.. N 1997.. N	X X	X X	266 227 299 551
3231171216	Paperbound elementary and high school (grades K through 12) textbook printing and binding, including teachers' editions	2002.. 48 1997.. 58	X X	X X	266 227 299 551
32311713	Hardbound college (grades 13 and up, for any post high school level courses) textbook printing and binding	2002.. N 1997.. N	X X	X X	152 264 172 610
3231171321	Hardbound college (grades 13 and up, for any post high school level courses) textbook printing and binding	2002.. 16 1997.. 25	X X	X X	152 264 172 610
32311714	Paperbound college (grades 13 and up, for any post high school level courses) textbook printing and binding	2002.. N 1997.. N	X X	X X	154 915 220 139
3231171426	Paperbound college (grades 13 and up, for any post high school level courses) textbook printing and binding	2002.. 36 1997.. 66	X X	X X	154 915 220 139
32311715	Workbook and standardized test printing and binding, all grade levels	2002.. N 1997.. N	X X	X X	118 611 67 552
3231171531	Workbook and standardized test printing and binding, all grade levels	2002.. 28 1997.. 45	X X	X X	118 611 67 552
3231171Y	Textbook printing and binding, nsk	2002.. N 1997.. N	X X	X X	25 661 14 484
3231171YVV	Textbook printing and binding, nsk	2002.. N 1997.. N	X X	X X	25 661 14 484
3231173	Technical, scientific, and professional book printing and binding	2002.. N 1997.. N	X X	X X	538 101 946 619
32311731	Technical, scientific, and professional book printing and binding	2002.. N 1997.. N	X X	X X	485 912 904 467
3231173111	Hardbound technical, scientific, and professional book printing and binding	2002.. 24 1997.. 40	X X	X X	95 661 150 779
3231173116	Paperbound technical, scientific, and professional book printing and binding	2002.. 123 1997.. 223	X X	X X	390 251 753 688
3231173Y	Technical, scientific, and professional book printing and binding, nsk	2002.. N 1997.. N	X X	X X	52 189 42 152
3231173YVV	Technical, scientific, and professional book printing and binding, nsk	2002.. N 1997.. N	X X	X X	52 189 42 152
3231175	Religious book printing and binding	2002.. N 1997.. N	X X	X X	320 118 339 078
32311751	Religious book printing and binding	2002.. N 1997.. N	X X	X X	302 579 334 697
3231175111	Hardbound (including flexible cover) religious book printing and binding	2002.. 26 1997.. 38	X X	X X	171 857 206 626
3231175116	Paperbound religious book printing and binding	2002.. 51 1997.. 81	X X	X X	130 722 128 071
3231175Y	Religious book printing and binding, nsk	2002.. N 1997.. N	X X	X X	17 539 4 381
3231175YVV	Religious book printing and binding, nsk	2002.. N 1997.. N	X X	X X	17 539 4 381
3231177	General book (trade, etc.) printing and binding	2002.. N 1997.. N	X X	X X	1 207 367 1 316 352
32311771	Hardbound book club and mail order book printing and binding	2002.. N 1997.. N	X X	X X	175 205 196 455
3231177111	Hardbound book club and mail order book printing and binding	2002.. 17 1997.. 19	X X	X X	175 205 196 455
32311772	Paperbound book club and mail order book printing and binding	2002.. N 1997.. N	X X	X X	163 305 96 381
3231177216	Paperbound book club and mail order book printing and binding	2002.. 48 1997.. 50	X X	X X	163 305 96 381
32311773	Mass market rack-size paperbound book printing and binding, distributed predominantly to mass market outlets	2002.. N 1997.. N	X X	X X	149 650 218 790
3231177321	Mass market rack-size paperbound book printing and binding, distributed predominantly to mass market outlets	2002.. 13 1997.. 30	X X	X X	149 650 218 790
32311774	Hardbound adult trade book printing and binding, sold primarily through retail or wholesale book sellers	2002.. N 1997.. N	X X	X X	270 087 335 481
3231177426	Hardbound adult trade book printing and binding, sold primarily through retail or wholesale book sellers	2002.. 22 1997.. 33	X X	X X	270 087 335 481

See footnotes at end of table.

Table 6a. Products Statistics: 2002 and 1997—Con.

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
323117	Books printing—Con.				
3231177	General book (trade, etc.) printing and binding—Con.				
32311775	Paperbound adult trade book printing and binding, sold primarily through retail or wholesale book sellers	2002.. N	X	X	187 842
		1997.. N	X	X	248 643
3231177531	Paperbound adult trade book printing and binding, sold primarily through retail or wholesale book sellers	2002.. 39	X	X	187 842
		1997.. 68	X	X	248 643
32311776	Hardbound juvenile book printing and binding (fiction and nonfiction, including toy and coloring books)	2002.. N	X	X	90 408
		1997.. N	X	X	76 347
3231177636	Hardbound juvenile book printing and binding (fiction and nonfiction, including toy and coloring books)	2002.. 13	X	X	90 408
		1997.. 15	X	X	76 347
32311777	Paperbound juvenile book printing and binding (fiction and nonfiction, including toy and coloring books)	2002.. N	X	X	142 590
		1997.. N	X	X	79 402
3231177741	Paperbound juvenile book printing and binding (fiction and nonfiction, including toy and coloring books)	2002.. 31	X	X	142 590
		1997.. 45	X	X	79 402
3231177Y	General book (trade, etc.) printing and binding, nsk	2002.. N	X	X	28 280
		1997.. N	X	X	64 853
3231177YV	General book (trade, etc.) printing and binding, nsk	2002.. N	X	X	28 280
		1997.. N	X	X	64 853
3231179	Other book printing and binding	2002.. N	X	X	860 904
		1997.. N	X	X	901 400
32311791	Other book printing and binding	2002.. N	X	X	803 611
		1997.. N	X	X	844 789
3231179118	Hardbound reference book printing and binding (including encyclopedias, dictionaries, thesauruses, etc.)	2002.. 10	X	X	99 600
		1997.. N	X	X	N
3231179123	Paperbound reference book printing and binding (including encyclopedias, dictionaries, thesauruses, etc.)	2002.. 25	X	X	47 835
		1997.. N	X	X	N
3231179126	All other hardbound book printing and binding (including music books, university press books, etc.)	2002.. 42	X	X	388 141
		1997.. 41	X	X	276 481
3231179131	All other paperbound book printing and binding (including music books, university press books, etc.)	2002.. 103	X	X	268 035
		1997.. 133	X	X	267 853
3231179Y	Other book printing and binding, nsk	2002.. N	X	X	57 293
		1997.. N	X	X	56 611
3231179YV	Other book printing and binding, nsk	2002.. N	X	X	57 293
		1997.. N	X	X	56 611
323117A	Books, printing only, not bound	2002.. N	X	X	68 227
		1997.. N	X	X	114 774
323117A1	Books, printing only, not bound	2002.. N	X	X	68 227
		1997.. N	X	X	114 774
323117A100	Books, printing only, not bound	2002.. 49	X	X	68 227
		1997.. 116	X	X	114 774
323117C	Pamphlets, printing only or printing and binding (excluding advertising pamphlets)	2002.. N	X	X	88 514
		1997.. N	X	X	471 886
323117C1	Pamphlets, printing only or printing and binding (excluding advertising pamphlets)	2002.. N	X	X	88 514
		1997.. N	X	X	471 886
323117C100	Pamphlets, printing only or printing and binding (excluding advertising pamphlets)	2002.. 110	X	X	88 514
		1997.. 421	X	X	471 886
323117W	Books printing, nsk, total	2002.. N	X	X	528 489
		1997.. N	X	X	512 526
323117WY	Books printing, nsk, total	2002.. N	X	X	528 489
		1997.. N	X	X	512 526
323117WYV	Books printing, nsk, for nonadministrative-record establishments	2002.. N	X	X	372 758
		1997.. N	X	X	355 675
323117WYVY	Books printing, nsk, for administrative-record establishments	2002.. N	X	X	155 731
		1997.. N	X	X	156 851

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3231171	Textbook printing and binding	
	United States	2002 .. 1 152 697
		1997 .. 999 809
	California	2002 .. 7 097
		1997 .. 9 620
	Florida	2002 .. 12 182
		1997 .. 4 371
	Maryland	2002 .. 21 276
		1997 .. 18 286
	Massachusetts	2002 .. 46 693
		1997 .. 38 294
	Michigan	2002 .. 34 792
		1997 .. 48 307
	Minnesota	2002 .. 22 780
		1997 .. 5 270
	New Jersey	2002 .. 8 785
		1997 .. N
	New York	2002 .. 43 282
		1997 .. 42 865
	Pennsylvania	2002 .. 20 937
		1997 .. 18 269
	Tennessee	2002 .. 62 013
		1997 .. 58 435
	Virginia	2002 .. 24 465
		1997 .. 26 128
	Wisconsin	2002 .. 138 490
		1997 .. 158 984
3231173	Technical, scientific, and professional book printing and binding	
	United States	2002 .. 538 101
		1997 .. 946 619
	California	2002 .. 80 817
		1997 .. 101 642
	Colorado	2002 .. 4 126
		1997 .. 23 953
	Florida	2002 .. 7 870
		1997 .. 5 422
	Illinois	2002 .. 5 884
		1997 .. 18 040
	Indiana	2002 .. 25 196
		1997 .. 39 769
	Maryland	2002 .. 15 101
		1997 .. 46 169
	Massachusetts	2002 .. 58 747
		1997 .. 116 604
	Michigan	2002 .. 34 314
		1997 .. 82 624
	Minnesota	2002 .. 5 002
		1997 .. 22 940
	New Jersey	2002 .. 6 193
		1997 .. 11 095
	New York	2002 .. 27 571
		1997 .. 34 186
	Ohio	2002 .. 24 089
		1997 .. 25 832
	Oregon	2002 .. 36 268
		1997 .. 44 527
	Pennsylvania	2002 .. 25 275
		1997 .. 76 508
	Tennessee	2002 .. 18 126
		1997 .. 30 468
	Texas	2002 .. 5 735
		1997 .. 53 044
	Virginia	2002 .. 16 285
		1997 .. 35 408
	Wisconsin	2002 .. 11 672
		1997 .. 29 846
3231175	Religious book printing and binding	
	United States	2002 .. 320 118
		1997 .. 339 078
	California	2002 .. 2 177
		1997 .. N
	Maryland	2002 .. 14 419
		1997 .. N
	Massachusetts	2002 .. 4 324
		1997 .. N
	Michigan	2002 .. 25 961
		1997 .. 26 582
	Minnesota	2002 .. 6 426
		1997 .. N
	New York	2002 .. 3 083
		1997 .. 3 696
	Virginia	2002 .. 15 120
		1997 .. 15 672
	Wisconsin	2002 .. 14 748
		1997 .. 7 649
3231177	General book (trade, etc.) printing and binding	
	United States	2002 .. 1 207 367
		1997 .. 1 316 352
	California	2002 .. 13 869
		1997 .. 24 598
	Florida	2002 .. 9 102
		1997 .. 15 490
	Illinois	2002 .. 15 755
		1997 .. 37 332
	Kansas	2002 .. 6 572
		1997 .. 6 415
	Kentucky	2002 .. 53 282

See footnotes at end of table.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997—Con.**

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3231177	General book (trade, etc.) printing and binding—Con.	
	United States—Con.	
	1997..	70 476
	2002..	26 165
	Maryland	22 024
	1997..	25 235
	Massachusetts	33 837
	1997..	26 285
	Michigan	55 301
	2002..	23 716
	Minnesota	17 317
	1997..	86 553
	New York	91 152
	2002..	76 765
	Ohio	115 560
	1997..	193 645
	Pennsylvania	158 499
	2002..	4 886
	Texas	2 379
	1997..	191 985
	Virginia	215 891
	2002..	48 242
	Wisconsin	69 836
	1997..	
3231179	Other book printing and binding	
	United States	860 904
	2002..	901 400
	1997..	82 032
	California	72 195
	2002..	18 328
	1997..	13 219
	Florida	21 669
	2002..	38 882
	1997..	6 006
	Illinois	2002..
	2002..	N
	1997..	68 443
	Kansas	58 888
	2002..	79 407
	1997..	37 593
	Maryland	8 395
	2002..	11 930
	1997..	17 743
	Michigan	22 400
	2002..	15 812
	1997..	44 458
	Minnesota	90 720
	2002..	62 116
	1997..	95 013
	New York	68 505
	2002..	11 246
	1997..	30 042
	Ohio	39 055
	2002..	20 572
	1997..	
323117A	Books, printing only, not bound	
	United States	68 227
	2002..	114 774
	1997..	3 531
	Minnesota	2 548
	2002..	7 196
	1997..	N
323117C	Pamphlets, printing only or printing and binding (excluding advertising pamphlets)	
	United States	88 514
	2002..	471 886
	1997..	13 151
	California	36 638
	2002..	7 680
	1997..	67 226
	Illinois	5 841
	2002..	21 721
	1997..	3 087
	Maryland	22 762
	2002..	6 230
	1997..	6 950
	Massachusetts	5 323
	2002..	34 813
	1997..	4 254
	Michigan	17 719
	2002..	5 011
	1997..	13 935
	New York	2 225
	2002..	6 760
	1997..	

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
323117	Books printing		
00900001	Total materials .....2002..	X	1 470 163
	.....1997..	X	1 845 764
32212203	Newsprint .....2002..	X	53 664
	.....1997..	X	44 107
32212009	Uncoated paper, sheets .....2002..	X	90 111
	.....1997..	X	183 667
32212011	Uncoated paper, rolls .....2002..	X	311 891
	.....1997..	X	389 580
32200011	Coated paper, sheets .....2002..	X	94 836
	.....1997..	X	143 527
32200013	Coated paper, rolls .....2002..	X	170 971
	.....1997..	X	280 369
32222200	Pressure-sensitive base stock, self-adhesive (paper, film, foil, etc.).....2002..	X	7 349
	.....1997..	X	20 285
31320001	Cloth and nonwoven fabrics for hardbound book covers .....2002..	X	36 940
	.....1997..	X	46 058
32552002	Glues and adhesives.....2002..	X	31 028
	.....1997..	X	N
32591002	Printing inks .....2002..	X	55 376
	.....1997..	X	N
32599203	Light sensitive films and papers .....2002..	X	16 839
	.....1997..	X	35 815
32599201	Unexposed photosensitive printing plates .....2002..	X	47 219
	.....1997..	X	38 342
32312201	Printing plates, prepared for printing .....2002..	X	25 075
	.....1997..	X	30 924
32221001	Paperboard containers, boxes, and corrugated paperboard .....2002..	X	56 050
	.....1997..	X	62 002
32213001	Paperboard (including news, chip, pasted, tablet, check, binders' board), excluding for shipping .....2002..	X	74 557
	.....1997..	X	N
00970099	All other materials and components, parts, containers, and supplies.....2002..	X	165 333
	.....1997..	X	301 970
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	232 924
	.....1997..	X	269 118

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.